

FLEXIBLE TEST CABLE
ABSTRACT OF THE DISCLOSURE

1 A flexible test cable has a center conductor (210), a conductive sleeve (240)
2 with an effective electrical length equal to an odd quarter wavelength of a
3 frequency of interest, a dielectric spacer (230) located inside the conductive sleeve
4 (240) for preventing a portion of the center conductor from electrically coupling to
5 the conductive sleeve, and a dielectric joint (220) for maintaining a portion of the
6 center conductor in the middle of an end of the conductive sleeve (240). The
7 conductive sleeve (240) can have a variety of cross-sectional shapes. The dielectric
8 spacer (230) can be formed in a variety of shapes from rigid or compressible
9 dielectric materials. Likewise, the dielectric joint (220) can be formed in a variety of
10 shapes from rigid or compressible dielectric materials. Using the dielectric joint
11 (220) to link together multiple conductive sleeves (240) results in a flexible test
12 cable (200) with electrical transparency at the frequency of interest.